

INCH-POUND

MIL-C-49137A
AMENDMENT 3
9 May 1994
SUPERSEDING
AMENDMENT 2
21 April 1981

MILITARY SPECIFICATION

CAPACITORS, FIXED, ELECTROLYTIC (SOLID ELECTROLYTE),
CAPACITORS, TANTALUM, MOLDED, CONFORMAL COATED AND METAL CASED
WITH PLASTIC END-FILL, NONHERMETICALLY SEALED,
GENERAL SPECIFICATION FOR

This amendment forms a part of MIL-C-49137A, dated 14 May 1979,
and is approved for use by all Departments and Agencies of the
Department of Defense.

PAGE 1

TABLE 1, add the following:

"	A - - -	2	2.6	"
	B - - -	3	4	
	C - - -	4	5	"

PAGE 2

- 2.1, STANDARDS, MILITARY: Delete "MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes."

PAGE 5

3.21, line 2 of the marking example: After "Polarity", add "1/".

At the bottom of the page add the following: "1/ Polarity symbol shall be near the positive terminal and may be placed on either end of the last line of type, depending on the marking orientation with respect to the polarity."

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TABLE III, Group III, Inspection column: After terminal strength: Delete "(when specified, see 3.1)".

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- * TABLE V, delete and substitute:

" TABLE V. Group A inspection.

Inspection	Requirement paragraph	Test method paragraph	Sampling procedure
<u>Subgroup 1</u> DC leakage Capacitance Dissipation factor	3.7 3.8 3.9	4.7.4 4.7.5 4.7.6	20 samples 0 failures
<u>Subgroup 2</u> Visual and mechanical inspection Construction analysis (metal cased units only)	3.1, 3.3, 3.3.1, 3.4, 3.4.1, 3.4.2, 3.21, and 3.22 3.6	4.7.1 4.7.3	13 samples 0 failures

- * 4.6.1.3.1, delete and substitute:

"4.6.1.3.1 Sampling plan. The sampling plan shall be as specified in table V."

- * 4.6.1.3.2, delete and substitute:

"4.6.1.3.2 Rejected lots. The rejected lot shall be segregated from new lots and those lots which have passed inspection. The rejected lot shall be 100 percent inspected for those quality characteristics found defective in the sample and any defective found shall be removed from the lot. A new sample of parts shall then be randomly selected in accordance with table V. If one or more defects are found in this second sample, the lot shall be rejected and shall not be supplied to this specification."

- * TABLE VI, delete and substitute:

"TABLE VI. Group B inspection.

Inspection	Requirement paragraph	Test method paragraph	Sampling procedure
<u>Subgroup 1</u> Stability at low and high temperatures	3.16	4.7.13	8 samples 0 failures
<u>Subgroup 2</u> Surge voltage	3.17	4.7.14	8 samples 0 failures

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- * 4.6.1.4.1, delete and substitute:

"4.6.1.4.1 Sampling plan. The sampling plan shall be as specified in table VI."

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- * 4.6.1.4.2, delete and substitute:

"4.6.1.4.2 Rejected lots. The rejected lot shall be segregated from new lots and those lots which have passed inspection. The contractor may rework it to correct the defects, or screen out the defective units, and resubmit for inspection in accordance with table VI. A new sample of parts shall then be randomly selected in accordance with table VI. If one or more defects are found in this second sample, the lot shall be rejected and shall not be supplied to this specification."

TABLE VII, subgroup 2, after terminal strength: Delete "(when specified (see 3.1))".

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TABLE IX, add the following:

CX06	CX06A106-	77	2
	CX06F107-	77	10
	CX06H686-	77	15
	CX06M226-	77	35
CX16	CX16A106-	77	2
	CX16F107-	77	10
	CX16H686-	77	15
	CX16M226-	77	35

The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the content irrespective of the marginal notations and relationship to the last previous amendment.

CONCLUDING MATERIAL

Custodians:

Army - ER
Navy - EC
Air Force - 85

Review activities:

Navy - AS, CG, MC, OS, SH
Air Force - 17, 19, 99
DLA - ES

Preparing activity:

Army - ER

Agent:

DLA - ES

(Project 5910-1888)